CLAIMS

What is claimed is:

- 1 1. A test stand for testing a thermal decay of a disk
- 2 of a hard disk drive, comprising:
- 3 a spindle motor that can spin the disk;
- 4 Cun a head coupled to the disk;
- 5 \(\) a heating element that can heat the disk;
- a controller connected to said head, said controller
- 7 operates in accordance with a procedure that writes a
- 8 reference signal onto a reference track of the disk and
- 9 then reduces an amplitude of the reference signal, writes a
- 10 test signar onto the disk, reads the test signal when the
- 11' disk is heated by the heating element, reads the reference
- 12 signal, and normalizes the test signal with the reference
 - 13 signal.

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- 1 2. The test stand of claim 1, wherein the amplitude
- 2 of the reference signal is reduced with a DC erasing
- 3 current from said head.

reading the reference signal; and

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The test stand of claim 1, wherein the amplitude

of the reference signal is reduced between 60 to 80% of a

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disk;

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- 11 normalizing the test signal with the reference signal.
 - 7. The method of claim 6, wherein the amplitude of the test signal is reduced with a DC erase signal.
 - 1 8. The method of claim 7, wherein the amplitude of
 - 2 the test signal is reduced 60 to 80% of a peak value.
 - 9. The method of claim 6, wherein the disk is heated
- 2 with a laser beam.

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- 1 10. The method of claim 9, wherein the test signal is
- 2 read with a head located adjacent to a first surface of the
- 3 disk, and the laser beam is directed onto an opposite
- 4 second surface of the disk.